Subject Index

Accident data

Development of a Highway Accident Hazard Index, Lon-Li David Shen, TE Sept. 86 p447-464.

Aircraft

Multiattribute Aircraft Choice for Airline Network, Dusan Teodorovic, TE Nov. 86 p634-646.

Airlines

Multiattribute Aircraft Choice for Airline Network, Dusan Teodorovic, TE Nov. 86 p634-646.

Airport access

Economic Aspects of Rail Access to Airports, Geoffrey D. Gosling, TE Mar. 86 p212-228.

Study of Airport Access Mode Choice, Greig Harvey, TE Sept. 86 p525-545.

Airport design

Planning of Concessions in Airport Terminals, Naim Hasan and John P. Braaksma, TE Mar. 86 p145-162.

Airport runways

Concrete Pavera for Aircraft Pavement Surfaces, John A. Emery, TE Nov. 86 p609-623.

Airport terminals

Planning of Concessions in Airport Terminals, Naim Hasan and John P. Braaksma, TE Mar. 86 p145-162.

Airports

Multiattribute Aircraft Choice for Airline Network, Dusan Teodorovic, TE Nov. 86 p634-646.

Arterial highways

Coordination of Actuated Arterial Traffic Signal Systems, Paul P. Jovanis and John A. Gregor, TE July 86 p416-432.

Asphalts

Deformation Mechanism in Asphaltic Concrete, Safwan A. Khedr, TE Jan. 86 p29-45.

Polychlorinated Biphenyls in Bituminous Materials, George E. Hoag and Stanley Alexander, TE May 86 p265-275.

Backfills

Load Reduction Factors for Buried Clay Pipes, J. K. Jeyapalan and N. Jiang, TE May 86 p236-249.

Bending moments

Deflections and Bending Moments in Buried Pipes, Itzhak Shmulevich and Naftali Galili, TE July 86 p345-357.

Bitumen

Polychlorinated Biphenyls in Bituminous Materials, George E. Hoag and Stanley Alexander, TE May 86 p265-275.

Bridge decks

On Modular Full Depth Bridge Deck Rehabilitation, Mrinmay "Moy" Biswas, TE Jan. 86 p105-120.

Bridges, composite

On Modular Full Depth Bridge Deck Rehabilitation, Mrinmay "Moy" Biswas, TE Jan. 86 p105-120.

Buried pipes

Buried Concrete Pipe Embankment Installation Analysis, Ernest T. Selig and David L. Packard, TE Nov. 86 p576-592.

Buried Flexible Pipe with Nonuniform Soil Support, Mehdi S. Zarghamee, TE July 86 p400-415.

Deflections and Bending Moments in Buried Pipes, Itzhak Shmulevich and Naftali Galili, TE July 86 p345-357.

Load Reduction Factors for Buried Clay Pipes, J. K. Jeyapalan and N. Jiang, TE May 86 p236-249.

Soil Stress Distribution Around Buried Pipes, Itzak Shmulevich, Naftali Galili and Amnon Foux, TE Sept. 86 p481-494.

Bus usage

Optimizing Dead Mileage in Urban Bus Routes, Vijay Sharma and Satya Prakash, TE Jan. 86 p121-129.

Simulation Study of Bus Transit, David J. Victor and S. Moses Santhakumar, TE Mar. 86 p199-211.

Capacity

Simplified Railroad Capacity Analysis Model, G. R. Ramsey, Bruce G. Hutchinson and Larry R. Rilett, TE July 86 p358-368.

Case reports

Cost of Road Maintenance in Developing Countries, S. A. Ola and I. A. Ugiomoh, TE July 86 p440-445.

Community planning

A Game/Simulation for Transportation Management, Aaron Adiv, TE Jan. 86 p88-104.

Computer analysis

Buried Concrete Pipe Embankment Installation Analysis, Ernest T. Selig and David L. Packard, TE Nov. 86 p576-592.

Computer programs

Microcomputer Applications in Traffic Engineering, Alexander Skabardonis, TE Jan. 86 p1-14.

Computerized simulation

Simulation Study of Bus Transit, David J. Victor and S. Moses Santhakumar, TE Mar. 86 p199-211.

Concrete

Deformation Mechanism in Asphaltic Concrete, Safwan A. Khedr, TE Jan. 86 p29-45.

Concrete pavements

Concrete Pavera for Aircraft Pavement Surfaces, John A. Emery, TE Nov. 86 p609-623.

Concrete pipes

Buried Concrete Pipe Embankment Installation Analysis, Ernest T. Selig and David L. Packard, TE Nov. 86 p576-592.

Concrete, precast

Concrete Pavers for Aircraft Pavement Surfaces, John A. Emery, TE Nov. 86 p609-623.

Construction methods

On Modular Full Depth Bridge Deck Rehabilitation, Mrinmay "Moy" Biswas, TE Jan. 86 p105-120.

Cost effectiveness

Integrated Model for Project-Level Management of Flexible Pavements, Gonzalo R. Rada, Jossef Perl and Matthew W. Witczak, TE July 86 p381-399.

Cost estimates

Predicting Costs of Pipe Cleaning and Lining Projects, Thomas M. Walski, TE May 86 p317-327.

Cost minimization

Minimum-Cost Design of Pipelines, Helmi M. Hathoot, TE Sept. 86 p465-480.

Quantitative Approaches to Reliability Assessment in Pipe Networks, I. C. Goulter and A. V. Coals, TE May 86 p287-301.

Culverts

Culvert-Soil Interaction Finite Element Analysis, Josann Duane, Rees Robinson and Charles A. Moore, TE May 86 p250-263.

Deflection

Deflections and Bending Moments in Buried Pipes, Itzhak Shmulevich and Naftali Galili, TE July 86 p345-357.

Deformation

Buried Flexible Pipe with Nonuniform Soil Support, Mehdi S. Zarghamee, TE July 86 p400-415.

Deformation Mechanism in Asphaltic Concrete, Safwan A. Khedr, TE Jan. 86 p29-45.

Design

Culvert-Soil Interaction Finite Element Analysis, Josann Duane, Rees Robinson and Charles A. Moore, TE May 86 p250-263.

Developing countries

Cost of Road Maintenance in Developing Countries, S. A. Ola and I. A. Ugiomoh, TE July 86 p440-445.

Simulation Study of Bus Transit, David J. Victor and S. Moses Santhakumar, TE Mar. 86 p199-211.

Drainage

Drainage of Pavements under Nonuniform Rainfall, A. Osman Akan, TE Mar. 86 p172-183.

Dynamic loads

Deformation Mechanism in Asphaltic Concrete, Safwan A. Khedr, TE Jan. 86 p29-45.

Earth pressure

Load Reduction Factors for Buried Clay Pipes, J. K. Jeyapalan and N. Jiang, TE May 86 p236-249.

Economic factors

Economic Aspects of Rail Access to Airports, Geoffrey D. Gosling, TE Mar. 86 p212-228.

Economic impact

Economic Effects of Transit and Highway Construction and Rehabilitation, Mann, Johnson & Mendenhall, 910 Fifteenth St., Suite 700, Denver, CO 80202 Siccardi, TE Jan. 86 p63-76.

Land Development Impacts of Transit Construction, Lucilla L. Ayer and Richard J. Hocking, TE Jan. 86 p77-87.

Economic impacts

Economic Impacts and Transportation Projects, James T. Jarzab, TE May 86 p276-286.

Embankments

Buried Concrete Pipe Embankment Installation Analysis, Ernest T. Selig and David L. Packard, TE Nov. 86 p576-592.

Environmental quality regulations

Environmental Analysis by State DOT'S—A Survey, Committee on Energy and Environmental Aspects of Transportation of the Urban Transportation Division, TE May 86 p302-316.

Federal agencies

Environmental Analysis by State DOT'S—A Survey, Committee on Energy and Environmental Aspects of Transportation of the Urban Transportation Division, TE May 86 p302-316.

Federal-state cooperation

Economic Effects of Transit and Highway Construction and Rehabilitation, Mann, Johnson & Mendenhall, 910 Fifteenth St., Suite 700, Denver, CO 80202 Siccardi, TE Jan. 86 p63-76.

Finite element method

Buried Concrete Pipe Embankment Installation Analysis, Ernest T. Selig and David L. Packard, TE Nov. 86 p576-592.

Flexible pavements

Deformation Mechanism in Asphaltic Concrete, Safwan A. Khedr, TE Jan. 86 p29-45.

Performance Study of a Surface Treated Crushed Rock Pavement, Robert Brian Smith and William Otho Yandell, TE Nov. 86 p649-653.

Flexible pipes

Buried Flexible Pipe with Nonuniform Soil Support, Mehdi S. Zarghamee, TE July 86 p400-415.

Performance and Selection of Rigid and Flexible Pipes, Jey K. Jeyapalan and B. A. Boldon, TE Sept. 86 p507-524.

Forecasting

Economic Impacts and Transportation Projects, James T. Jarzab, TE May 86 p276-286.

Equilibration Procedure to Forecast Area-wide

Travel, Yupo Chan and Fong L. Cu, TE Nov. 86 p557-575.

Funding allocation

Consolidating Elderly and Handicapped Transportation, Errol C. Noel and Himmat S. Chadda, TE Mar. 86 p131-144.

Funding allocations

Economic Effects of Transit and Highway Construction and Rehabilitation, Mann, Johnson & Mendenhall, 910 Fifteenth St., Suite 700, Denver, CO 80202 Siccardi, TE Jan. 86 p63-76.

Handicapped passengers

Consolidating Elderly and Handicapped Transportation, Errol C. Noel and Himmat S. Chadda, TE Mar. 86 p131-144.

Highway construction

Economic Effects of Transit and Highway Construction and Rehabilitation, Mann, Johnson & Mendenhall, 910 Fifteenth St., Suite 700, Denver, CO 80202 Siccardi, TE Jan. 86 p63-76.

Highway design

Design Hourly Volume from Road Users' Perspective, Satish C. Sharma, TE July 86 p435-440.

Highway engineering

Routine Maintenance and Pavement Performance, Tien F. Fwa and Kumares C. Sinha, TE July 86 p329-344.

Highway maintenance

Cost of Road Maintenance in Developing Countries, S. A. Ola and I. A. Ugiomoh, TE July 86 p440-445.

Moire Applied to Real-Time Inspection of Highways, Leopold Pflug and Serge Oesch, TE Mar. 86 p163-171.

Highways

Transportation Corridor Strategies and Land Use, Stephen R. Alderson and Yorgos J. Stephanedes, TE Jan. 86 p15-28.

Hydroplaning

Criteria for Predicting Hydroplaning Potential, R. Scott Huebner, Joseph R. Reed and John J. Henry, TE Sept. 86 p549-553.

Inspection

Moire Applied to Real-Time Inspection of Highways, Leopold Pflug and Serge Oesch, TE Mar. 86 p163-171.

Installation

Culvert-Soil Interaction Finite Element Analysis, Josann Duane, Rees Robinson and Charles A. Moore, TE May 86 p250-263.

Interactive graphics

Simplified Railroad Capacity Analysis Model, G. R. Ramsey, Bruce G. Hutchinson and Larry R. Rilett, TE July 86 p358-368.

Intersections

Evaluation of Staggered and Cross Intersections, David Mahalel, Joseph Craus and A. Polus, TE Sept. 86 p495-506.

Land development

Land Development Impacts of Transit Construction, Lucilla L. Ayer and Richard J. Hocking, TE Jan. 86 p77-87.

Land usage

Transportation Corridor Strategies and Land Use, Stephen R. Alderson and Yorgos J. Stephanedes, TE Jan. 86 p15-28.

Life cycles

Integrated Model for Project-Level Management of Flexible Pavements, Gonzalo R. Rada, Jossef Perl and Matthew W. Witczak, TE July 86 p381-399.

Load factors

Load Reduction Factors for Buried Clay Pipes, J. K. Jeyapalan and N. Jiang, TE May 86 p236-249.

Maintenance

Routine Maintenance and Pavement Performance, Tien F. Fwa and Kumares C. Sinha, TE July 86 p329-344.

Track Quality Index for High Speed Track, A. E. Fazio and J. L. Corbin, TE Jan. 86 p46-61.

Maintenance costs

Cost of Road Maintenance in Developing Countries, S. A. Ola and I. A. Ugiomoh, TE July 86 p440-445.

Predicting Costs of Pipe Cleaning and Lining Projects, Thomas M. Walski, TE May 86 p317-327.

Routine Maintenance and Pavement Performance, Tien F. Fwa and Kumares C. Sinha, TE July 86 p329-344.

Materials tests

Polychlorinated Biphenyls in Bituminous Materials, George E. Hoag and Stanley Alexander, TE May 86 p265-275.

Mathematical models

Drainage of Pavements under Nonuniform Rainfall, A. Osman Akan, TE Mar. 86 p172-183.

Measuring instruments

Moire Applied to Real-Time Inspection of Highways, Leopold Pflug and Serge Oesch, TE Mar. 86 p163-171.

Microcomputers

Microcomputer Applications in Traffic Engineering, Alexander Skabardonis, TE Jan. 86 p1-14.

Network design

Quantitative Approaches to Reliability Assessment in Pipe Networks, I. C. Goulter and A. V. Coals, TE May 86 p287-301.

Networks

Multiattribute Aircraft Choice for Airline Network, Dusan Teodorovic, TE Nov. 86 p634-646.

Nigeria

Cost of Road Maintenance in Developing Countries, S. A. Ola and I. A. Ugiomoh, TE July 86 p440-445.

Optimal design

Minimum-Cost Design of Pipelines, Helmi M. Hathoot, TE Sept. 86 p465-480.

Passenger terminals

Planning of Concessions in Airport Terminals, Naim Hasan and John P. Braaksma, TE Mar. 86 p145-162.

Pavement condition

Moire Applied to Real-Time Inspection of Highways, Leopold Pflug and Serge Oesch, TE Mar. 86 p163-171.

Pavement design

Vehicle Classes for Pavement Design and Capacity Analysis, Joseph Kubala, Nazir Lalani, Robert O'Connell and Charles Petersen, TE Nov. 86 p624-633.

Pavement management systems

Integrated Model for Project-Level Management of Flexible Pavements, Gonzalo R. Rada, Jossef Perl and Matthew W. Witczak, TE July 86 p381-399.

Routine Maintenance and Pavement Performance, Tien F. Fwa and Kumares C. Sinha, TE July 86 p329-344.

Pavements

Concrete Pavera for Aircraft Pavement Surfaces, John A. Emery, TE Nov. 86 p609-623.

Drainage of Pavements under Nonuniform Rainfall, A. Osman Akan, TE Mar. 86 p172-183.

Performance Study of a Surface Treated Crushed Rock Pavement, Robert Brian Smith and William Otho Yandell, TE Nov. 86 p649-653.

Polychlorinated Biphenyls in Bituminous Materials, George E. Hoag and Stanley Alexander, TE May 86 p265-275.

PCB

Polychlorinated Biphenyls in Bituminous Materials, George E. Hoag and Stanley Alexander, TE May 86 p265-275.

Pedestrian traffic flow

Pedestrian Characteristics Study in Singapore, Yordphol Tanaboriboon, Sim Siang Hwa and Chin Hoong Chor, TE May 86 p229-235.

Pedestrians

Pedestrian Characteristics Study in Singapore, Yordphol Tanaboriboon, Sim Siang Hwa and Chin Hoong Chor, TE May 86 p229-235.

Performance evaluation

Performance Study of a Surface Treated Crushed Rock Pavement, Robert Brian Smith and William Otho Yandell, TE Nov. 86 p649-653.

Pipe cleaning

Predicting Costs of Pipe Cleaning and Lining Projects, Thomas M. Walski, TE May 86 p317-327.

Pipe diameter

Minimum-Cost Design of Pipelines, Helmi M. Hathoot, TE Sept. 86 p465-480.

Pipe lining

Predicting Costs of Pipe Cleaning and Lining Projects, Thomas M. Walski, TE May 86 p317-327.

Pipeline design

Deflections and Bending Moments in Buried Pipes, Itzhak Shmulevich and Naftali Galili, TE July 86 p345-357.

Minimum-Cost Design of Pipelines, Helmi M. Hathoot, TE Sept. 86 p465-480.

Performance and Selection of Rigid and Flexible Pipes, Jey K. Jeyapalan and B. A. Boldon, TE Sept. 86 p507-524.

Quantitative Approaches to Reliability Assessment in Pipe Networks, I. C. Goulter and A. V. Coals, TE May 86 p287-301.

Planning

Planning of Concessions in Airport Terminals, Naim Hasan and John P. Braaksma, TE Mar. 86 p145-162.

Political constraints

Consolidating Elderly and Handicapped Transportation, Errol C. Noel and Himmat S. Chadda, TE Mar. 86 p131-144.

Pressure distribution

Buried Concrete Pipe Embankment Installation Analysis, Ernest T. Selig and David L. Packard, TE Nov. 86 p576-592.

Load Reduction Factors for Buried Clay Pipes, J. K. Jeyapalan and N. Jiang, TE May 86 p236-249.

Public participation

A Game/Simulation for Transportation Management, Aaron Adiv, TE Jan. 86 p88-104.

Public transportation

Consolidating Elderly and Handicapped Transportation, Errol C. Noel and Himmat S. Chadda, TE Mar. 86 p131-144.

Rail transportation

Economic Aspects of Rail Access to Airports, Geoffrey D. Gosling, TE Mar. 86 p212-228.

Railroad tracks

Track Quality Index for High Speed Track, A. E. Fazio and J. L. Corbin, TE Jan. 86 p46-61.

Railroads

Simplified Railroad Capacity Analysis Model, G. R. Ramsey, Bruce G. Hutchinson and Larry R. Rilett, TE July 86 p358-368.

Rainfall-runoff relationships

Drainage of Pavements under Nonuniform Rainfall, A. Osman Akan, TE Mar. 86 p172-183.

Regional planning

Economic Impacts and Transportation Projects, James T. Jarzab, TE May 86 p276-286.

Rehabilitation

Economic Effects of Transit and Highway Construction and Rehabilitation, Mann, Johnson & Mendenhall, 910 Fifteenth St., Suite 700, Denver, CO 80202 Siccardi, TE Jan. 86 p63-76.

On Modular Full Depth Bridge Deck Rehabilitation, Mrinmay "Moy" Biswas, TE Jan. 86 p105-120.

Reliability

Quantitative Approaches to Reliability Assessment in Pipe Networks, I. C. Goulter and A. V. Coals, TE May 86 p287-301.

Repeated loading

Performance Study of a Surface Treated Crushed Rock Pavement, Robert Brian Smith and William Otho Yandell, TE Nov. 86 p649-653.

Rigid pipes

Performance and Selection of Rigid and Flexible Pipes, Jey K. Jeyapalan and B. A. Boldon, TE Sept. 86 p507-524.

Road design

Design Hourly Volume from Road Users' Perspective, Satish C. Sharma, TE July 86 p435-440.

Evaluation of Staggered and Cross Intersections, David Mahalel, Joseph Craus and A. Polus, TE Sept. 86 p495-506.

Safety research

Development of a Highway Accident Hazard Index, Lon-Li David Shen, TE Sept. 86 p447-464.

Scheduling

Multiattribute Aircraft Choice for Airline Network, Dusan Teodorovic, TE Nov. 86 p634-646.

Optimizing Dead Mileage in Urban Bus Routes, Vijay Sharma and Satya Prakash, TE Jan. 86 p121-129.

Selection

Performance and Selection of Rigid and Flexible Pipes, Jey K. Jeyapalan and B. A. Boldon, TE Sept. 86 p507-524.

Service life

Performance Study of a Surface Treated Crushed Rock Pavement, Robert Brian Smith and William Otho Yandell, TE Nov. 86 p649-653.

Simulation models

A Game/Simulation for Transportation Management, Aaron Adiv, TE Jan. 86 p88-104.

Modeling of Queue Dissipation for Signal Control, Feng-Bor Lin and Donald Cooke, TE Nov. 86 p593-608.

Simulation Study of Bus Transit, David J. Victor and S. Moses Santhakumar, TE Mar. 86 p199-211.

Singapore

Pedestrian Characteristics Study in Singapore, Yordphol Tanaboriboon, Sim Siang Hwa and Chin Hoong Chor, TE May 86 p229-235.

Soil pressure

Buried Concrete Pipe Embankment Installation Analysis, Ernest T. Selig and David L. Packard, TE Nov. 86 p576-592.

Soil stresses

Soil Stress Distribution Around Buried Pipes, Itzak Shmulevich, Naftali Galili and Amnon Foux, TE Sept. 86 p481-494.

Soil-pipe interaction

Buried Concrete Pipe Embankment Installation Analysis, Ernest T. Selig and David L. Packard, TE Nov. 86 p576-592.

Culvert-Soil Interaction Finite Element Analysis, Josann Duane, Rees Robinson and Charles A. Moore, TE May 86 p250-263.

Deflections and Bending Moments in Buried Pipes, Itzhak Shmulevich and Naftali Galili, TE July 86 p345-357.

Load Reduction Factors for Buried Clay Pipes, J. K. Jeyapalan and N. Jiang, TE May 86 p236-249.

Performance and Selection of Rigid and Flexible Pipes, Jey K. Jeyapalan and B. A. Boldon, TE Sept. 86 p507-524.

Soil Stress Distribution Around Buried Pipes, Itzak Shmulevich, Naftali Galili and Amnon Foux, TE Sept. 86 p481-494.

State government

Environmental Analysis by State DOT'S—A Survey, Committee on Energy and Environmental Aspects of Transportation of the Urban Transportation Division, TE May 86 p302-316.

State laws

Environmental Analysis by State DOT'S—A Survey, Committee on Energy and Environmental Aspects of Transportation of the Urban Transportation Division, TE May 86 p302-316.

State planning

Economic Impacts and Transportation Projects, James T. Jarzab, TE May 86 p276-286.

State-of-the-art reviews

Microcomputer Applications in Traffic Engineering, Alexander Skabardonis, TE Jan. 86 p1-14.

Stress distribution

Soil Stress Distribution Around Buried Pipes, Itzak Shmulevich, Naftali Galili and Amnon Foux, TE Sept. 86 p481-494.

Structural models

Culvert-Soil Interaction Finite Element Analysis, Josann Duane, Rees Robinson and Charles A. Moore, TE May 86 p250-263.

Traffic analysis

Classification Analysis of Traffic Improvement Sites, Wilfred W. Recker, Gregory S. Root and Michael G. McNally, TE Mar. 86 p184-198.

Traffic capacity

Vehicle Classes for Pavement Design and Capacity Analysis, Joseph Kubala, Nazir Lalani, Robert O'Connell and Charles Petersen, TE Nov. 86 p624-633.

Traffic congestion

Design Hourly Volume from Road Users' Perspective, Satish C. Sharma, TE July 86 p435-440.

Traffic control

Urban Freeway Traffic Management Technology, Samir A. Ahmed, TE July 86 p369-371.

Traffic engineering

Microcomputer Applications in Traffic Engineering, Alexander Skabardonis, TE Jan. 86 p1-14.

Traffic flow

Classification Analysis of Traffic Improvement Sites, Wilfred W. Recker, Gregory S. Root and Michael G. McNally, TE Mar. 86 p184-198.

Evaluation of Staggered and Cross Intersections, David Mahalel, Joseph Craus and A. Polus, TE Sept. 86 p495-506.

Traffic flow pattern

Modeling of Queue Dissipation for Signal Control, Feng-Bor Lin and Donald Cooke, TE Nov. 86 p593-608.

Traffic management

A Game/Simulation for Transportation Management, Aaron Adiv, TE Jan. 86 p88-104.

Urban Freeway Traffic Management Technology, Samir A. Ahmed, TE July 86 p369-371.

Traffic safety

Evaluation of Staggered and Cross Intersections, David Mahalel, Joseph Craus and A. Polus, TE Sept. 86 p495-506.

Traffic signal controllers

Modeling of Queue Dissipation for Signal Control, Feng-Bor Lin and Donald Cooke, TE Nov. 86 p593-608.

Traffic signals

Coordination of Actuated Arterial Traffic Signal Systems, Paul P. Jovanis and John A. Gregor, TE July 86 p416-432.

Traffic volume

Design Hourly Volume from Road Users' Perspective, Satish C. Sharma, TE July 86 p435-440.

Vehicle Classes for Pavement Design and Capacity Analysis, Joseph Kubala, Nazir Lalani, Robert O'Connell and Charles Petersen, TE Nov. 86 p624-633.

Transportation corridors

Transportation Corridor Strategies and Land Use, Stephen R. Alderson and Yorgos J. Stephanedes, TE Jan. 86 p15-28.

Transportation management

Environmental Analysis by State DOT'S—A Survey, Committee on Energy and Environmental Aspects of Transportation of the Urban Transportation Division, TE May 86 p302-316.

A Game/Simulation for Transportation Management, Aaron Adiv, TE Jan. 86 p88-104.

Simulation Study of Bus Transit, David J. Victor and S. Moses Santhakumar, TE Mar. 86 p199-211.

Transportation networks

Classification Analysis of Traffic Improvement Sites, Wilfred W. Recker, Gregory S. Root and Michael G. McNally, TE Mar. 86 p184-198.

Transportation planning

Transportation Corridor Strategies and Land Use, Stephen R. Alderson and Yorgos J. Stephanedes, TE Jan. 86 p15-28.

Transportation studies

Classification Analysis of Traffic Improvement Sites, Wilfred W. Recker, Gregory S. Root and Michael G. McNally, TE Mar. 86 p184-198.

Transportation systems

Economic Impacts and Transportation Projects, James T. Jarzab, TE May 86 p276-286.

Simulation Study of Bus Transit, David J. Victor and S. Moses Santhakumar, TE Mar. 86 p199-211.

Travel demand

Equilibration Procedure to Forecast Area-wide Travel, Yupo Chan and Fong L. Cu, TE Nov. 86 p557-575.

Study of Airport Access Mode Choice, Greig Harvey, TE Sept. 86 p525-545.

Travel mode

Study of Airport Access Mode Choice, Greig Harvey, TE Sept. 86 p525-545.

Travel time

Equilibration Procedure to Forecast Area-wide Travel, Yupo Chan and Fong L. Cu, TE Nov. 86 p557-575.

Study of Airport Access Mode Choice, Greig Harvey, TE Sept. 86 p525-545.

Trip frequencies

Equilibration Procedure to Forecast Area-wide Travel, Yupo Chan and Fong L. Cu, TE Nov. 86 p557-575.

Multiattribute Aircraft Choice for Airline Network, Dusan Teodorovic, TE Nov. 86 p634-646.

Urban highways

Urban Freeway Traffic Management Technology, Samir A. Ahmed, TE July 86 p369-371.

Urban roads

Vehicle Classes for Pavement Design and Capacity Analysis, Joseph Kubala, Nazir Lalani, Robert O'Connell and Charles Petersen, TE Nov. 86 p624-633.

Urban transportation

Coordination of Actuated Arterial Traffic Signal

Systems, Paul P. Jovanis and John A. Gregor, TE July 86 p416-432.

Equilibration Procedure to Forecast Area-wide Travel, Yupo Chan and Fong L. Cu, TE Nov. 86 p557-575.

Land Development Impacts of Transit Construction, Lucilla L. Ayer and Richard J. Hocking, TE Jan. 86 p77-87.

Optimizing Dead Mileage in Urban Bus Routes, Vijay Sharma and Satya Prakash, TE Jan. 86 p121-129.

Vehicular traffic

Vehicle Classes for Pavement Design and Capacity Analysis, Joseph Kubala, Nazir Lalani, Robert O'Connell and Charles Petersen, TE Nov. 86 p624-633.

Water distribution

Predicting Costs of Pipe Cleaning and Lining Projects, Thomas M. Walski, TE May 86 p317-327.

Quantitative Approaches to Reliability Assessment in Pipe Networks, I. C. Goulter and A. V. Coals, TE May 86 p287-301.

Water pipelines

Predicting Costs of Pipe Cleaning and Lining Projects, Thomas M. Walski, TE May 86 p317-327.

Author Index

Adiv, Aaron
A Game/Simulation for Transportation Management, TE Jan. 86, p88-104

Ahmed, Samir A.
Urban Freeway Traffic Management Technology, TE July 86, p369-371

Akan, A. Osman
Drainage of Pavements under Nonuniform Rainfall, TE Mar. 86, p172-183

Alderson, Stephen R.
Transportation Corridor Strategies and Land Use, with Yorgos J. Stephanedes, TE Jan. 86, p15-28

Alexander, Stanley
see Hoag, George E., TE May 86, p265-275

Ayer, Lucilla L.
Land Development Impacts of Transit Construction, with Richard J. Hocking, TE Jan. 86, p77-87

Biswas, Mrinmay "Moy"
On Modular Full Depth Bridge Deck Rehabilitation, TE Jan. 86, p105-120

Boldon, B. A.
see Jeyapalan, Jey K., TE Sept. 86, p507-524

Braaksma, John P.
see Hasan, Naim, TE Mar. 86, p145-162

Chadda, Himmat S.
see Noel, Errol C., TE Mar. 86, p131-144

Chan, Yupo
Equilibration Procedure to Forecast Area-wide Travel, with Fong L. Cu, TE Nov. 86, p557-575

Chor, Chin Hoong
see Tanaboriboon, Yordphol, TE May 86, p229-235

Chou, Yu T.
Subgrade Contact Pressures under Rigid Pavements, TE May 83, p363-379
disc: Anastasios M. Ioannides, TE May 85, p321-326
err: TE Sept. 86, p555

Coals, A. V.
see Goulter, I. C., TE May 86, p287-301

Committee on Energy and Environmental Aspects of Transportation of the Urban Transportation Division, (William Shoemaker, chmn.)
Environmental Analysis by State DOT'S—A Survey, TE May 86, p302-316

Cooke, Donald
see Lin, Feng-Bor, TE Nov. 86, p593-608

Corbin, J. L.
see Fazio, A. E., TE Jan. 86, p46-61

Craus, Joseph
see Mahalel, David, TE Sept. 86, p495-506

Cu, Fong L.
see Chan, Yupo, TE Nov. 86, p557-575

Duane, Josann
Culvert-Soil Interaction Finite Element Analysis, with Rees Robinson and Charles A. Moore, TE May 86, p250-263

Emery, John A.
Concrete Pavers for Aircraft Pavement Surfaces, TE Nov. 86, p609-623

Fazio, A. E.
Track Quality Index for High Speed Track, with J. L. Corbin, TE Jan. 86, p46-61

Foux, Amnon
see Shmulevich, Itzak, TE Sept. 86, p481-494

Fwa, Tien F.
Routine Maintenance and Pavement Performance, with Kumares C. Sinha, TE July 86, p329-344

Galili, Naftali
see Shmulevich, Itzak, TE Sept. 86, p481-494
see Shmulevich, Itzhak, TE July 86, p345-357

Gosling, Geoffrey D.
Economic Aspects of Rail Access to Airports, TE Mar. 86, p212-228

Goulter, I. C.
Quantitative Approaches to Reliability Assessment in Pipe Networks, with A. V. Coals, TE May 86, p287-301

Gregor, John A.
see Jovanis, Paul P., TE July 86, p416-432

Harvey, Greig
Study of Airport Access Mode Choice, TE Sept. 86, p525-545

Hasan, Naim
Planning of Concessions in Airport Terminals, with John P. Braaksma, TE Mar. 86, p145-162

Hathoot, Helmi M.
Minimum-Cost Design of Pipelines, TE Sept. 86, p465-480

Henry, John J.
see Huebner, R. Scott, TE Sept. 86, p549-553

Hoag, George E.
Polychlorinated Biphenyls in Bituminous Materials, with Stanley Alexander, TE May 86, p265-275

Hocking, Richard J.
see Ayer, Lucilla L., TE Jan. 86, p77-87

Huebner, R. Scott
Criteria for Predicting Hydroplaning Potential, with Joseph R. Reed and John J. Henry, TE Sept. 86, p549-553

Hutchinson, Bruce G.
see Ramsey, G. R., TE July 86, p358-368

Hwa, Sim Siang
see Tanaboriboon, Yordphol, TE May 86, p229-235

Ioannides, Anastasios M.
disc. (of Subgrade Contact Pressures under Rigid Pavements, by Yu T. Chou, TE May 83, p363-379), TE May 85, p321-326

Jarrah, James T.
Economic Impacts and Transportation Projects, TE May 86, p276-286

Jeyapalan, J. K.
Load Reduction Factors for Buried Clay Pipes, with N. Jiang, TE May 86, p236-249

Jeyapalan, Jey K.
Performance and Selection of Rigid and Flexible Pipes, with B. A. Boldon, TE Sept. 86, p507-524

Jiang, N.
see Jeyapalan, J. K., TE May 86, p236-249

Jovanis, Paul P.
Coordination of Actuated Arterial Traffic Signal Systems, with John A. Gregor, TE July 86, p416-432

Khedr, Safwan A.
Deformation Mechanism in Asphaltic Concrete, TE Jan. 86, p29-45

Kubala, Joseph
Vehicle Classes for Pavement Design and Capacity Analysis, with Nazir Lalani, Robert O'Connell and Charles Petersen, TE Nov. 86, p624-633

Lalani, Nazir
see Kubala, Joseph, TE Nov. 86, p624-633

Lam, Tenny N.
Estimating Fuel Consumption from Engine Size, TE July 85, p339-357
err: TE Nov. 86, p655

Liu, Feng-Bor
Modeling of Queue Dissipation for Signal Control, with Donald Cooke, TE Nov. 86, p593-608

McNally, Michael G.
see Recker, Wilfred W., TE Mar. 86, p184-198

Mahalel, David
Evaluation of Staggered and Cross Intersections, with Joseph Craus and A. Polus, TE Sept. 86, p495-506

Moore, Charles A.
see Duane, Josann, TE May 86, p250-263

Noel, Errol C.
Consolidating Elderly and Handicapped Transportation, with Himmat S. Chadda, TE Mar. 86, p131-144

O'Connell, Robert
see Kubala, Joseph, TE Nov. 86, p624-633

Oesch, Serge
see Pflug, Leopold, TE Mar. 86, p163-171

Ola, S. A.
Cost of Road Maintenance in Developing Countries, with I. A. Ugiomoh, TE July 86, p440-445

Packard, David L.
see Selig, Ernest T., TE Nov. 86, p576-592

Perl, Josef
see Rada, Gonzalo R., TE July 86, p381-399

Petersen, Charles
see Kubala, Joseph, TE Nov. 86, p624-633

Pflug, Leopold
Moire Applied to Real-Time Inspection of Highways, with Serge Oesch, TE Mar. 86, p163-171

Polus, A.
see Mahalel, David, TE Sept. 86, p495-506

Prakash, Satya
see Sharma, Vijay, TE Jan. 86, p121-129

Rada, Gonzalo R.
Integrated Model for Project-Level Management of Flexible Pavements, with Jossef Perl and Matthew W. Witczak, TE July 86, p381-399

Ramsey, G. R.
Simplified Railroad Capacity Analysis Model, with Bruce G. Hutchinson and Larry R. Rilett, TE July 86, p358-368

Recker, Wilfred W.
Classification Analysis of Traffic Improvement Sites, with Gregory S. Root and Michael G. McNally, TE Mar. 86, p184-198

Reed, Joseph R.
see Huebner, R. Scott, TE Sept. 86, p549-553

Rilett, Larry R.
see Ramsey, G. R., TE July 86, p358-368

Robinson, Rees
see Duane, Josann, TE May 86, p250-263

Root, Gregory S.
see Recker, Wilfred W., TE Mar. 86, p184-198

Santhakumar, S. Moses
see Victor, David J., TE Mar. 86, p199-211

Selig, Ernest T.
Buried Concrete Pipe Embankment Installation Analysis, with David L. Packard, TE Nov. 86, p576-592

Sharma, Satish C.
Design Hourly Volume from Road Users' Perspective, TE July 86, p435-440

Sharma, Vijay
Optimizing Dead Mileage in Urban Bus Routes, with Satya Prakash, TE Jan. 86, p121-129

Shen, Lon-Li David
Development of a Highway Accident Hazard Index, TE Sept. 86, p447-464

Shmulevich, Itzak
Soil Stress Distribution Around Buried Pipes, with Naftali Galili and Amnon Foux, TE Sept. 86, p481-494

Shmulevich, Itzhak
Deflections and Bending Moments in Buried Pipes, with Naftali Galili, TE July 86, p345-357

Siccardi
Economic Effects of Transit and Highway Construction and Rehabilitation, TE Jan. 86, p63-76

Sinha, Kumares C.
see Fwa, Tien F., TE July 86, p329-344

Skabardonis, Alexander
Microcomputer Applications in Traffic Engineering, TE Jan. 86, p1-14

Smith, Robert Brian
Performance Study of a Surface Treated Crushed Rock Pavement, with William Otho Yandell, TE Nov. 86, p649-653

Stephanedes, Yorgos J.
see Alderson, Stephen R., TE Jan. 86, p15-28

Tanaboriboon, Yordphol
Pedestrian Characteristics Study in Singapore, with Sim Siang Hwa and Chin Hoong Chor, TE May 86, p229-235

Teodorovic, Dusan
Multiattribute Aircraft Choice for Airline Network, TE Nov. 86, p634-646

Ugiomoh, I. A.
see Ola, S. A., TE July 86, p440-445

Victor, David J.
Simulation Study of Bus Transit, with S. Moses Santhakumar, TE Mar. 86, p199-211

Walski, Thomas M.
Predicting Costs of Pipe Cleaning and Lining Projects, TE May 86, p317-327

Witczak, Matthew W.
see Rada, Gonzalo R., TE July 86, p381-399

Yandell, William Otho
see Smith, Robert Brian, TE Nov. 86, p649-653

Zarghamee, Mehdi S.
Buried Flexible Pipe with Nonuniform Soil Support, TE July 86, p400-415